

FIGURE 7

KKKJF.....FKLNNKSEKTYEPT...VSVEFMFPYSNWLKLYMVVGTFLAAIITHGAGLPMLMLVFGEMTDIFANAGNLEDLMSNTHRSRINDHTGFF
 ~~~~~MSETNTTDAKTVDAEAEEYFQSLPFKLFSPADKFDYLLMFVGSGLGAIHVGSSMPVFLFGQMVNGFGKQMDL..... s  
 1 s dr kkk vgv lFryadw Dkl M lGtlaAlhGs lPimnivfgemtd fa  
 YAYYSGIGAGVLVAAYIYQVFTFLAAGPQIHWIPQFFHAIMPQEIOWFNVH.DVGEINTRLTDDVSKEINEVIGDKIGMFFQSMATFTTGFIVGFTRG  
 YAYYTGIGAGVLIVAYIQVSLWCLAAAGROIHKIRQKFFHAIMHQEIGWFDVH.DVGEINTRLTDDVSKEINDGIGDKIGMFFQSIITIFLAGFIIGFISG  
 YSLYFVYLGVLVVCSSYAEIACWYSGERQVAALRKYLEAVLQDVGFDDARTGDIVFSVSTDTLLVQDAISEKVGNFHYLSTFLAGLVGVFSA  
 YALYFLVVGAAIWAASSWAFISCHWWSGERQITKMRIKYLEAALNDQIOFFTEVRTSDVFAINTDAMVQDAISEKLGNFHYMATFVSGFIVGFTAV  
 YSLDFVYLSVAILFSSWLEVACWHTGERQAKMRPRLRMLSDISLDETEASTGEVISAITSDILVQDALSSEKVGNFHYLSRFIAGEAIGFTSV  
 Yayysglgagvly ayiqvs W laagPQirkir kffhailrQeigwFdi tgelntrltdiskindgigdkvGmFfg vatFlagfivGF1 g  
 PILGSAVWAKILSAFSDHFLAAYAKAGAVAEAEALGAIRTVIAFGGQKKELERYQKHLENAKEIGIKKAIISANISMGIAFLLIYASALAFWYGSTLV  
 PILGSTAVWAKILSTFSDKELAAAYAKAGAVAEAEAPGAIRTVIAFGGQKKELERYQKHLENAKKGIGIKKAIISANISMGIAFLLIYASALAFWYGSTLV  
 PVLGSAVWAKILSFTDKELAYAKAGAVAEAEVLAAPTVAIFGGQKKELERYQKHLENAKKGIGIKKAITANISIGAAFLLIYASALAFWYGSTLV  
 PLIGLSALWAKVLTSTFKELQAYAKAGAVAEAEVLAAPTVAIFGGQKKELERYQKHLENAKKGIGIKKAITASISIGIAYLLVYASALAFWYGSTLV  
 PGIAFAGGLIYAYTLTGITSKSPRESYANAGVIAEQAIQVTVSYVYGESKALNAYSDAIQYTLKLYKAGNAKGLGLGCTYGIACMSWALVFWYAGVFI  
 PLIAVIGGIHTTTLKLSKNSQESLSQAGNIVEQTVQIRVMAFVGESRASQAYSSALKIAQKLGKGLGAGMGLGATYFVVVFCYALLLLWYGGYIV  
 PLIALAGGIYAFVAIGLIAIRVPKSYIKAGEIAEEVIGNVPTVQAFTEFRAPVPLRYEALENTYKYGRKAGLTGGLGSGMHCVLFLSWALLWFTSVVV  
 piglgsaawwakils fs kel ayakAGavaEe lgairtviafGgQ kelerYqk le akkiGiKkaiSa ismG aflliYasyAlafWYgstlv  
 W<sub>A</sub>  
 TIVFFSILIGAFSVGGAAPCIDAFANARGAAYVIFDIIDNHPKIDSFSESRGHKFDGIGKHLEFHVHFSYFSPANVKILGLNLKVQSGQTVALVGS<sub>SGC</sub>  
 TIVFFSILIGAFSVGGAAPCIDAFANARGAAYVIFDIIDNHPKIDSFSESRGHKFDNIGKNELEFSDVHFSYFSPANVKILGLNLKVQSGQTVALVGS<sub>SGC</sub>  
 TIVFFSVLIGAFSVGASPSIEAFANARGAAYEIEFKIIDHKPSIDSYSKSGHKPDNIGKNELEFPNVHFSYFSPKEVKILGLNLKVQSGQTVALVGS<sub>SGC</sub>  
 TIVFFSILLGTFSIGHIAPHIEAFANARGAAYEIEFKIIDNPSIDSFSTKGYKPDSDIMGNLEFNVHFNYPSPSEVQILKGLNLKVQSGQTVALVGS<sub>SGC</sub>  
 TIALFSAIVGGMSLGQSFNLGAFSGKAAGYKLMIEIINQRTIIOQDPLDGKLDQVGHGHEFQDVTFSPSPFDVMIFFNFNIFFPSSGTTVAUVGSGS  
 IATMFVMIGGLALGQSPMAAFKAKVAAAAKIFRIIDHKPTIERNSESGVELDSVTGLVELKNVDFSPSPRIVKILNNFCLSPAGKTIALVGS<sub>SGS</sub>  
 FTIMLNVIAGLSLQGAAPDISAFVRAKAAAYPIFKMIERNVTVTKSAGSKRKLGVGDGHQKDATFSYSPRPDVVIFDRLNLAIAPAGKTIVALVGS<sub>SGS</sub>  
 TIVFFSILIGAFSVGGAAP idAFanargAay ifkiIdn psidsfs Ghkpd ikGnlefkdvHfsYPSR evkilkgnlvk sgqtvalVG SGC

FIGURE 1

434 4F  
 435 4F  
 436 4F  
 437 4F  
 438 4F  
 439 4F  
 440 4F  
 441 4F  
 442 4F  
 443 4F  
 444 4F  
 445 4F  
 446 4F  
 447 4F  
 448 4F  
 449 4F  
 450 4F  
 451 4F  
 452 4F  
 453 4F  
 454 4F  
 455 4F  
 456 4F  
 457 4F  
 458 4F  
 459 4F  
 460 4F  
 461 4F  
 462 4F  
 463 4F  
 464 4F  
 465 4F  
 466 4F  
 467 4F  
 468 4F  
 469 4F  
 470 4F  
 471 4F  
 472 4F  
 473 4F  
 474 4F  
 475 4F  
 476 4F  
 477 4F  
 478 4F  
 479 4F  
 480 4F  
 481 4F  
 482 4F  
 483 4F  
 484 4F  
 485 4F  
 486 4F  
 487 4F  
 488 4F  
 489 4F  
 490 4F  
 491 4F  
 492 4F  
 493 4F  
 494 4F  
 495 4F  
 496 4F  
 497 4F  
 498 4F  
 499 4F  
 500 4F  
 501 4F  
 502 4F  
 503 4F  
 504 4F  
 505 4F  
 506 4F  
 507 4F  
 508 4F  
 509 4F  
 510 4F  
 511 4F  
 512 4F  
 513 4F  
 514 4F  
 515 4F  
 516 4F  
 517 4F  
 518 4F  
 519 4F  
 520 4F  
 521 4F  
 522 4F  
 523 4F  
 524 4F  
 525 4F  
 526 4F  
 527 4F  
 528 4F  
 529 4F  
 530 4F  
 531 4F  
 532 4F  
 533 4F  
 534 4F  
 535 4F  
 536 4F  
 537 4F  
 538 4F  
 539 4F  
 540 4F  
 541 4F  
 542 4F  
 543 4F  
 544 4F  
 545 4F  
 546 4F  
 547 4F  
 548 4F  
 549 4F  
 550 4F  
 551 4F  
 552 4F  
 553 4F  
 554 4F  
 555 4F  
 556 4F  
 557 4F  
 558 4F  
 559 4F  
 560 4F  
 561 4F  
 562 4F  
 563 4F  
 564 4F  
 565 4F  
 566 4F  
 567 4F  
 568 4F  
 569 4F  
 570 4F  
 571 4F  
 572 4F  
 573 4F  
 574 4F  
 575 4F  
 576 4F  
 577 4F  
 578 4F  
 579 4F  
 580 4F  
 581 4F  
 582 4F  
 583 4F  
 584 4F  
 585 4F  
 586 4F  
 587 4F  
 588 4F  
 589 4F  
 590 4F  
 591 4F  
 592 4F  
 593 4F  
 594 4F  
 595 4F  
 596 4F  
 597 4F  
 598 4F  
 599 4F  
 600 4F  
 601 4F  
 602 4F  
 603 4F  
 604 4F  
 605 4F  
 606 4F  
 607 4F  
 608 4F  
 609 4F  
 610 4F  
 611 4F  
 612 4F  
 613 4F  
 614 4F  
 615 4F  
 616 4F  
 617 4F  
 618 4F  
 619 4F  
 620 4F  
 621 4F  
 622 4F  
 623 4F  
 624 4F  
 625 4F  
 626 4F  
 627 4F  
 628 4F  
 629 4F  
 630 4F  
 631 4F  
 632 4F  
 633 4F  
 634 4F  
 635 4F  
 636 4F  
 637 4F  
 638 4F  
 639 4F  
 640 4F  
 641 4F  
 642 4F  
 643 4F  
 644 4F  
 645 4F  
 646 4F  
 647 4F  
 648 4F  
 649 4F  
 650 4F  
 651 4F  
 652 4F  
 653 4F  
 654 4F  
 655 4F  
 656 4F  
 657 4F  
 658 4F  
 659 4F  
 660 4F  
 661 4F  
 662 4F  
 663 4F  
 664 4F  
 665 4F  
 666 4F  
 667 4F  
 668 4F  
 669 4F  
 670 4F  
 671 4F  
 672 4F  
 673 4F  
 674 4F  
 675 4F  
 676 4F  
 677 4F  
 678 4F  
 679 4F  
 680 4F  
 681 4F  
 682 4F  
 683 4F  
 684 4F  
 685 4F  
 686 4F  
 687 4F  
 688 4F  
 689 4F  
 690 4F  
 691 4F  
 692 4F  
 693 4F  
 694 4F  
 695 4F  
 696 4F  
 697 4F  
 698 4F  
 699 4F  
 700 4F  
 701 4F  
 702 4F  
 703 4F  
 704 4F  
 705 4F  
 706 4F  
 707 4F  
 708 4F  
 709 4F  
 710 4F  
 711 4F  
 712 4F  
 713 4F  
 714 4F  
 715 4F  
 716 4F  
 717 4F  
 718 4F  
 719 4F  
 720 4F  
 721 4F  
 722 4F  
 723 4F  
 724 4F  
 725 4F  
 726 4F  
 727 4F  
 728 4F  
 729 4F  
 730 4F  
 731 4F  
 732 4F  
 733 4F  
 734 4F  
 735 4F  
 736 4F  
 737 4F  
 738 4F  
 739 4F  
 740 4F  
 741 4F  
 742 4F  
 743 4F  
 744 4F  
 745 4F  
 746 4F  
 747 4F  
 748 4F  
 749 4F  
 750 4F  
 751 4F  
 752 4F  
 753 4F  
 754 4F  
 755 4F  
 756 4F  
 757 4F  
 758 4F  
 759 4F  
 760 4F  
 761 4F  
 762 4F  
 763 4F  
 764 4F  
 765 4F  
 766 4F  
 767 4F  
 768 4F  
 769 4F  
 770 4F  
 771 4F  
 772 4F  
 773 4F  
 774 4F  
 775 4F  
 776 4F  
 777 4F  
 778 4F  
 779 4F  
 780 4F  
 781 4F  
 782 4F  
 783 4F  
 784 4F  
 785 4F  
 786 4F  
 787 4F  
 788 4F  
 789 4F  
 790 4F  
 791 4F  
 792 4F  
 793 4F  
 794 4F  
 795 4F  
 796 4F  
 797 4F  
 798 4F  
 799 4F  
 800 4F  
 801 4F  
 802 4F  
 803 4F  
 804 4F  
 805 4F  
 806 4F  
 807 4F  
 808 4F  
 809 4F  
 810 4F  
 811 4F  
 812 4F  
 813 4F  
 814 4F  
 815 4F  
 816 4F  
 817 4F  
 818 4F  
 819 4F  
 820 4F  
 821 4F  
 822 4F  
 823 4F  
 824 4F  
 825 4F  
 826 4F  
 827 4F  
 828 4F  
 829 4F  
 830 4F  
 831 4F  
 832 4F  
 833 4F  
 834 4F  
 835 4F  
 836 4F  
 837 4F  
 838 4F  
 839 4F  
 840 4F  
 841 4F  
 842 4F  
 843 4F  
 844 4F  
 845 4F  
 846 4F  
 847 4F  
 848 4F  
 849 4F  
 850 4F  
 851 4F  
 852 4F  
 853 4F  
 854 4F  
 855 4F  
 856 4F  
 857 4F  
 858 4F  
 859 4F  
 860 4F  
 861 4F  
 862 4F  
 863 4F  
 864 4F  
 865 4F  
 866 4F  
 867 4F  
 868 4F  
 869 4F  
 870 4F  
 871 4F  
 872 4F  
 873 4F  
 874 4F  
 875 4F  
 876 4F  
 877 4F  
 878 4F  
 879 4F  
 880 4F  
 881 4F  
 882 4F  
 883 4F  
 884 4F  
 885 4F  
 886 4F  
 887 4F  
 888 4F  
 889 4F  
 890 4F  
 891 4F  
 892 4F  
 893 4F  
 894 4F  
 895 4F  
 896 4F  
 897 4F  
 898 4F  
 899 4F  
 900 4F  
 901 4F  
 902 4F  
 903 4F  
 904 4F  
 905 4F  
 906 4F  
 907 4F  
 908 4F  
 909 4F  
 910 4F  
 911 4F  
 912 4F  
 913 4F  
 914 4F  
 915 4F  
 916 4F  
 917 4F  
 918 4F  
 919 4F  
 920 4F  
 921 4F  
 922 4F  
 923 4F  
 924 4F  
 925 4F  
 926 4F  
 927 4F  
 928 4F  
 929 4F  
 930 4F  
 931 4F  
 932 4F  
 933 4F  
 934 4F  
 935 4F  
 936 4F  
 937 4F  
 938 4F  
 939 4F  
 940 4F  
 941 4F  
 942 4F  
 943 4F  
 944 4F  
 945 4F  
 946 4F  
 947 4F  
 948 4F  
 949 4F  
 950 4F  
 951 4F  
 952 4F  
 953 4F  
 954 4F  
 955 4F  
 956 4F  
 957 4F  
 958 4F  
 959 4F  
 960 4F  
 961 4F  
 962 4F  
 963 4F  
 964 4F  
 965 4F  
 966 4F  
 967 4F  
 968 4F  
 969 4F  
 970 4F  
 971 4F  
 972 4F  
 973 4F  
 974 4F  
 975 4F  
 976 4F  
 977 4F  
 978 4F  
 979 4F  
 980 4F  
 981 4F  
 982 4F  
 983 4F  
 984 4F  
 985 4F  
 986 4F  
 987 4F  
 988 4F  
 989 4F  
 990 4F  
 991 4F  
 992 4F  
 993 4F  
 994 4F  
 995 4F  
 996 4F  
 997 4F  
 998 4F  
 999 4F  
 1000 4F

FIGURE 2

|      |      |     |                                                                                                         |
|------|------|-----|---------------------------------------------------------------------------------------------------------|
| 1000 | 859  | 100 | SGIVEMKLIAGNAKTPDYFTELFAAGKIAIEAENIPTWVSLTOERKFESMYVEKLYGPYPSNV..QKAHIYGITISISQAEMFYSYAGCFRFGAYLIVN     |
| 1001 | 855  | 101 | *AGIVEMKMLAGNAKTPDKKEMEAANGKIAIEAENIPTWVSLTOERKFESMYVEKLYGYPYPSNV..PKAHIYGITISISQAEMFYSYAGCFRFGAYLIVN   |
| 1002 | 859  | 102 | *AGVEMKMLSGOALKDKFTELEAGKIAIEAENIPTWVSLTOERKFESMYAQSLOVPYPSNL..PKAHLFGITISFTQAMMYFYSYAGCFRFGAYLVAH      |
| 1003 | 857  | 103 | *GGIIEKMLLSGOALKDKFTELEISGKIAIEAENIPTWVSLTOERKFESMYAQSLOVPYPSNAM..KKAHVFGITISFTQAMMYFYSYAGCFRFGAYLVAQ   |
| 1004 | 834  | 104 | *ANFAQQLSLKGFAGHTAKAHAFTSMIAEGVSNPTVAAPNAQSKILSLFCHFLPVPQPSLSLYPSQSLFGLSQAALYSGSEALILWYGAHLVSK          |
| 1005 | 847  | 105 | *ATVLOQPMFTGSGDLFAHAFAKFTQLAGAENANPTVAAPNSEAKIVPLYTANLEPPLKR...CFWKGOIAGSGYGVAAQFCLVASYALGLWYASWLVKH    |
| 1006 | 816  | 106 | *GHISEKLEFMQGGDLNKAYLKANMLAGEVSNIPTVAAPCAEEKILELYSPRELLPSKSS..FRPGOIAGLFYGVSQFFIFSSYGLALWYGSTLMDK       |
| 1007 | 861  | 107 | *agivemkill Gna rdkk le agkiAtEaieNirtwslt e Kfesmy L pyrnsv rkahiyGitifsisQa myfSyagcfrfgaylv h        |
| 1008 | 900  | 108 | W <sub>A</sub>                                                                                          |
| 1009 | 903  | 109 | *SAIVFGAVALGHASSFAPDYFAKAKLSAAHLFMLEFPQPLIDSYSSEGL.KPDKEGNITFNEVFNYPTRANVFLQGLSLFVKKGGQTLIALVGSSEGG     |
| 1010 | 903  | 110 | *SAIVLGAVALGHASSFAPDYAKAKLSAYLSLFEQPLIDSYSSEGL.WPDKFEGSVTFNEVFNYPTRANVFLQGLSLFVKKGGQTLIALVGSSEGG        |
| 1011 | 907  | 111 | *SAVVFMAVAGVQSSFAFDYAKAKICAHHIMIIIEKTFLIDSYSSTEG.LMPNTLEGNTVTFGEVFNYPTRANVFLQGLSLFVKKGGQTLIALVGSSEGG    |
| 1012 | 903  | 112 | *SAVVFMAAGNTSSFAFDYAKAKVSASHIIPRIIEKTFEIDSYSSTEG.LKPTLLEGNVKFNQVFNYPTRANVFLQGLSLFVKKGGQTLIALVGSSEGG     |
| 1013 | 943  | 113 | *FVVLVITANSVAETVSIAPETIIPGGEAVGSVSVLDPQTPIDPDADADPV.ETIPGDIIEFHVDFAFSPDPDVNFDFENLRIRAGHSQAALVGSSEGG     |
| 1014 | 955  | 114 | *FMVLMVSAAGAAETTLAPDFIKGGQAMRSVFELLDPKTEIEPDPPDTTPVDPDLRGEVELKHIDFSYSPRPDIQIIFPDLSIPARAGKTLIALVGPSSGG   |
| 1015 | 924  | 115 | *FMVLIVTALAMGETTLAPDLKGNQMVASVFEILDPKTQIV...GETSEELNNVEGTIELKGVHFSYSPDPDVNIFPDLDLIVPAGKSMALVGSSEGG      |
| 1016 | 964  | 116 | *saivlgAvalg tssfAPdyakaklsaa lf lier p Idsys egl pd leG v f v FnyPtdpdpvvlqglslevkkGqtlIALVGSSEGG      |
| 1017 | 1078 | 117 | *YDLAGTVLLDGOEAFFLNQWIFAQGLIVSQEPILFDCSIAENIAYGDNSPVVSQDEIVSAAPAAANIHPFIETLPHKYETPVGDFTQLSGGQKQPIA      |
| 1018 | 1072 | 118 | *YDENAGSVLLDGOEAFFLNQWIFAQGLIVSQEPILFDCSIAENIAYGDNSPVVSQDEIVPAAPAAANIHPFIETLPHKYETPVGDFTQLSGGQKQPIA     |
| 1019 | 1074 | 119 | *YDELAGKVLDDGKEIKFLNMQWLPALHGLIVSQEPILFDCSIAENIAYGDNSPVVSQDEIVPAAPAAANIHPFIETLPHKYETPVGDFTQLSGGQKQPIA   |
| 1020 | 1074 | 120 | *YDENAGSVFLDGGKEIKFLNMQWLPALHGLIVSQEPILFDCSIAENIAYGDNSPVVSQDEIVPAAPAAANIHPFIETLPHKYETPVGDFTQLSGGQKQPIA  |
| 1021 | 1053 | 121 | *YDLLAGKVMIDGKDIIPPLNKLSPKLGIVQOEPAALFAATIFDNIAYGKDG..ATESEVIDAAPAAANAHGFISSGLPEGYKTPVGERGVQLSGGQKQPIA  |
| 1022 | 1063 | 122 | *YEPSSGRVMIDGKDIIPKYNLKAIPKHAIVPQOEPCLEGTIIYENIAYGHEC..ATEAEIIQAATLASAHKFISSALPEGYKTYVGERGVQLSGGQKQPIA  |
| 1023 | 1031 | 123 | *YDPTAGKVMIEGKDIKKLLDLKAIPKHIGLVQOEPAALFATTIYENIAYGNEG..ASQSEVVESAMLANAHSPITSLSPEGYSTKVGERGVQMSGGQKQPIA |
| 1024 | 1101 | 124 | *YdplagkvlldckekiklnvqvIPahlgIVsQEPILFDCSIAENIAYGDNsr vs dEiv aak Anih PletLpdkY TrvgdkGtQLSGGQKQPIA    |

FIGURE 3



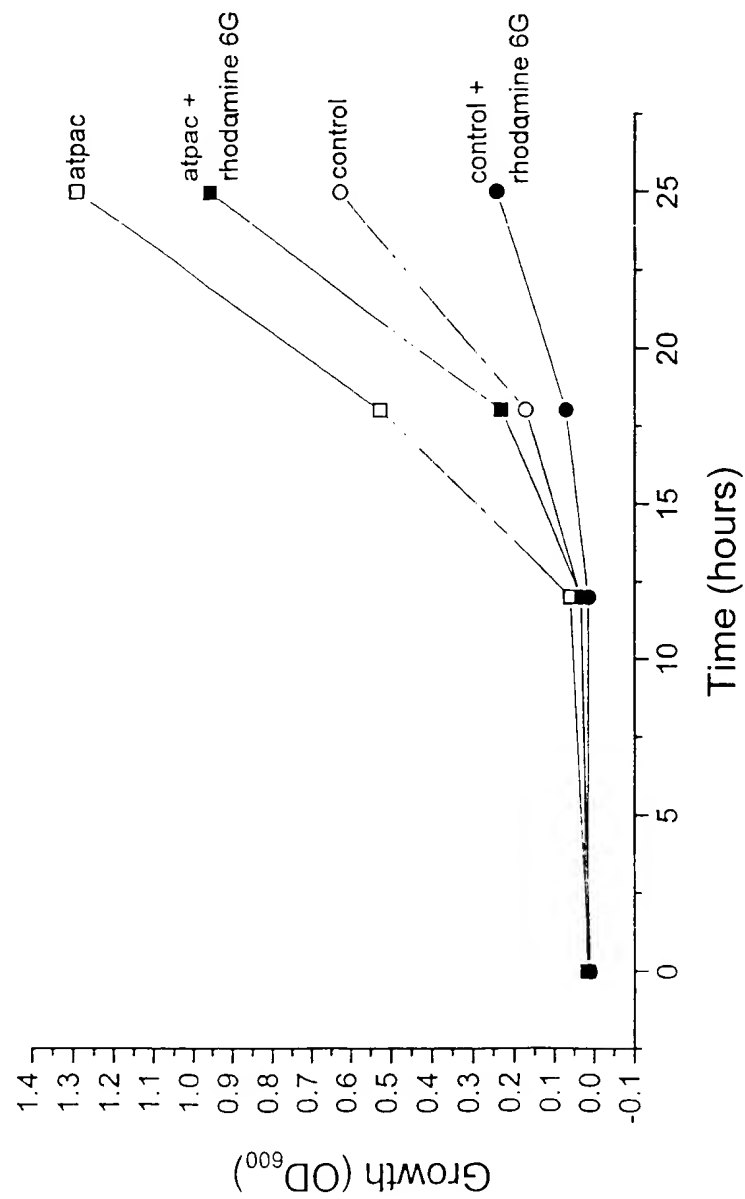


FIGURE 5

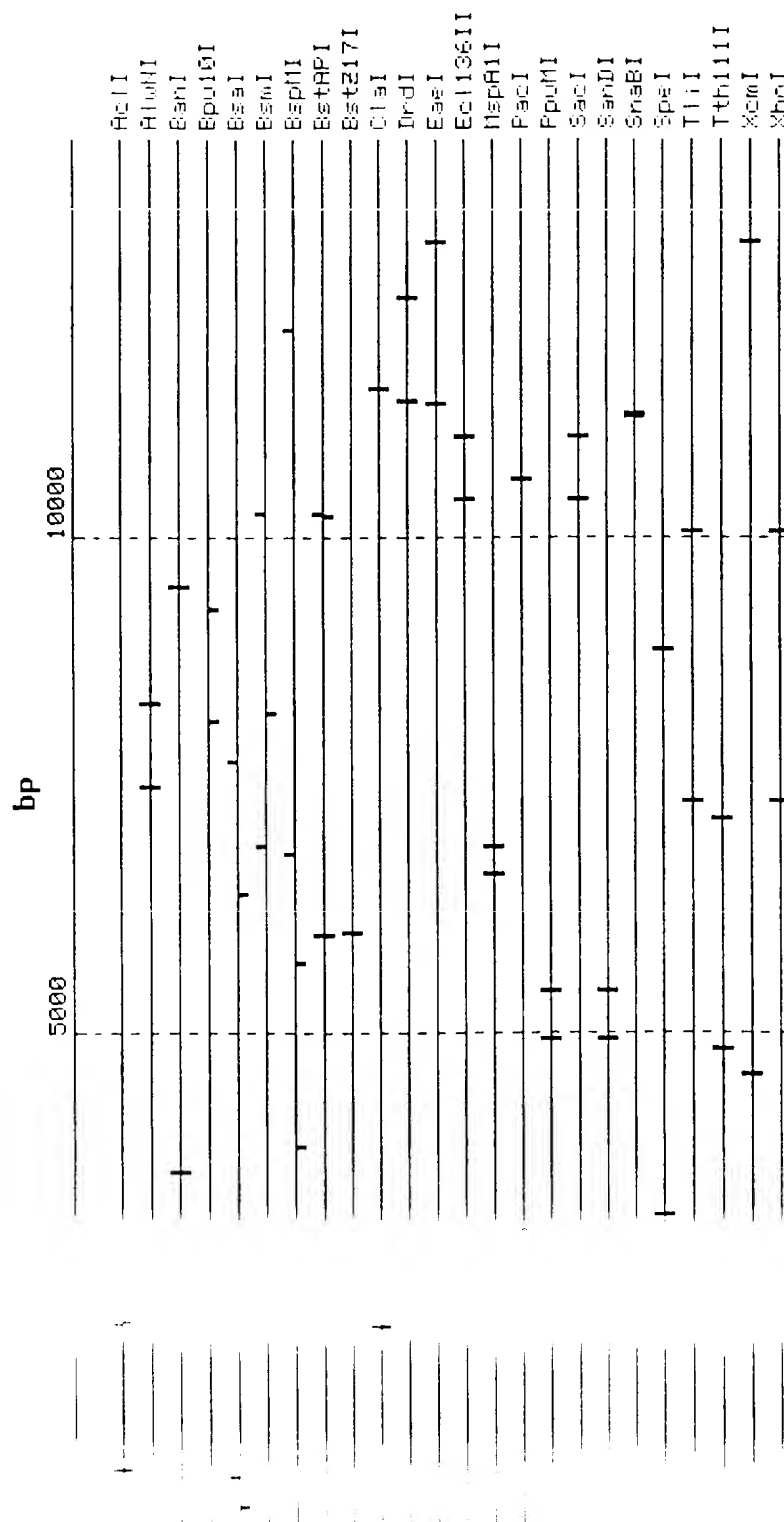


FIGURE 6